

WHAT IS CLAIMED IS:

1. A table insert blade positioner for insertion into a work table of a scroll saw having a scroll saw blade with a cutting edge and a non-cutting edge comprising:

a) a plate having a blade slot to permit a scroll saw blade to travel

therethrough said plate insertable into the work table of the scroll saw, the plate having an upper surface and a lower surface; and

b) a blade support structure attached to the lower surface of the plate for limiting the longitudinal motion of the scroll saw blade, wherein the blade support structure is positioned to make contact with the non-cutting edge of the scroll saw blade when sufficient pressure is exerted on the scroll saw blade in the longitudinal direction .

2. The table insert blade positioner as claimed in claim 1, wherein the blade support structure includes a stop block that is a prism or a cylinder.

3. The table insert blade positioner as claimed in claim 2, wherein the stop block has a groove aligned with the scroll saw blade.

4. The table insert blade positioner as claimed in claim 1, wherein the blade support structure comprises means for adjusting the longitudinal position of the blade support structure.

5. The table insert blade positioner as claimed in claim 4, wherein the blade support structure comprises a stop block that is a prism or a cylinder.

6. The table insert blade positioner as claimed in claim 4, wherein the longitudinal position of the blade support structure is locked with a set screw.

7. The table insert blade positioner as claimed in claim 2, wherein the top of the stop block is less than 0.25 inches from the surface of the work table.

8. A scroll saw having a work table and a scroll saw blade having a cutting edge and a non-cutting edge comprising a blade support structure for limiting the longitudinal motion of the scroll saw blade, wherein the blade support structure comprises a stop block having the shape of a prism or a cylinder, wherein the stop block is positioned to make contact with the non-cutting edge of the scroll saw blade when sufficient pressure is exerted on the scroll saw blade in the longitudinal direction.

9. The scroll saw claimed in claim 8, wherein the position of the stop block is adjustable in the longitudinal direction.

10. The scroll saw as claimed in claim 9, wherein the top of the stop block is less than 0.25 inches from the top surface of the work table.